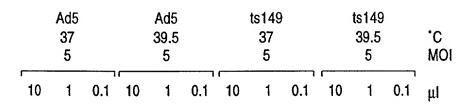
Title: METHODS FOR GENERATING HIGH TITER HELPER-FREE PREPARATIONS OF RELEASED RECOMBINANT AAV VECTORS Inventor: Edward M. ATKINSON et al.

Application No Not Yet Assigned Docket No.: 226272003311

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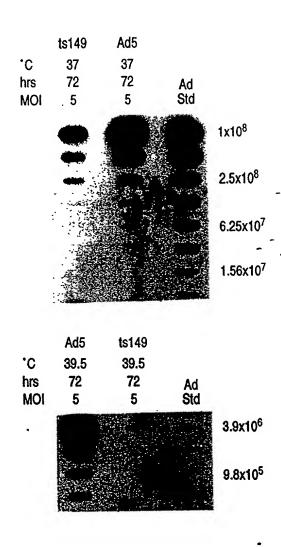


Figure 2

Title: METHODS FOR GENERATING HIGH TITER HELPER-FREE PREPARATIONS OF RELEASED RECOMBINANT AAV VECTORS Inventor: Edward M. ATKINSON et al.
Application No.: Not Yet Assigned Docket No.: 226272003311

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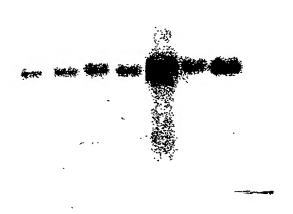


Figure 3

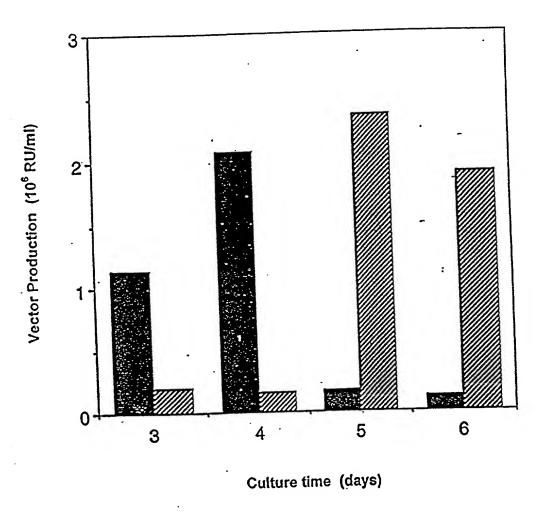


Figure 4

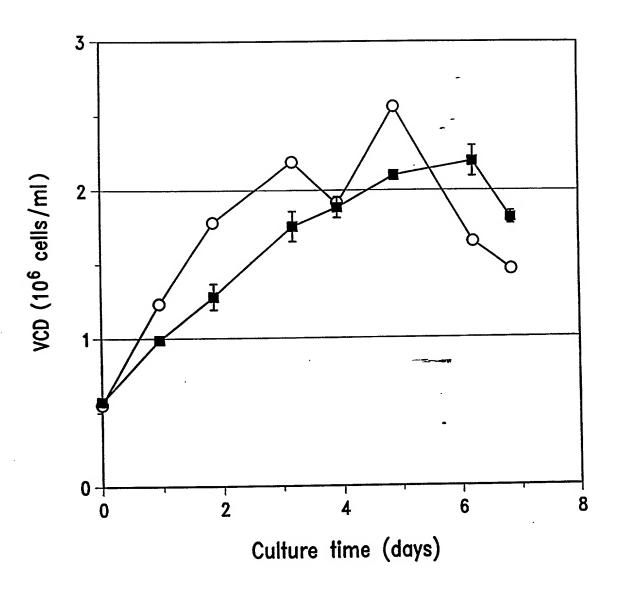


Figure 5



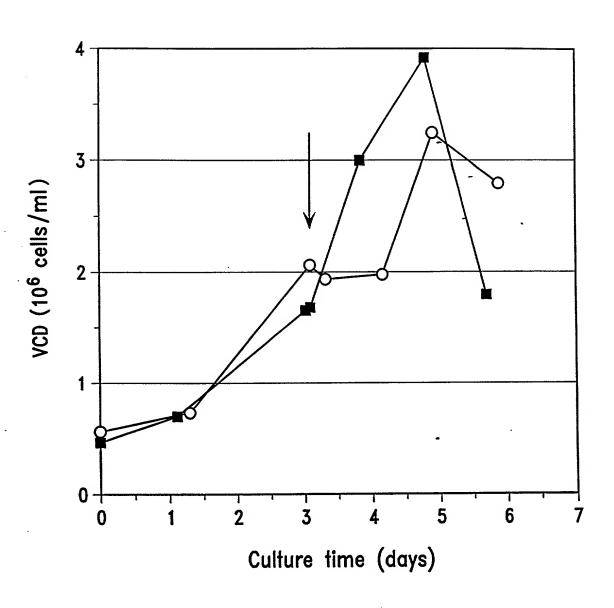
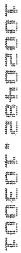


Figure 6



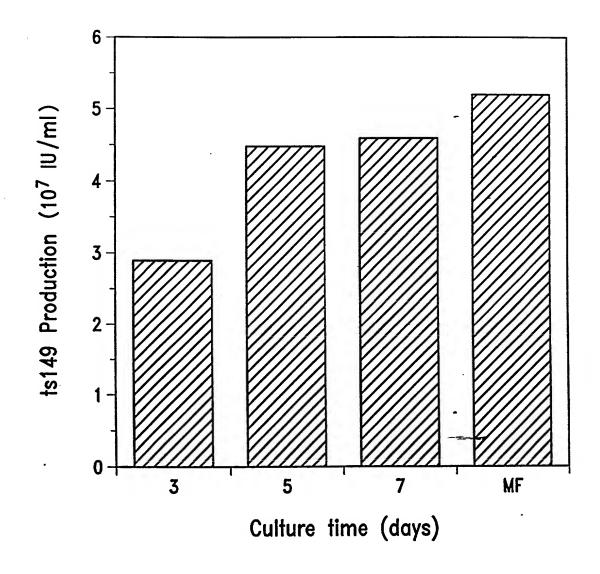
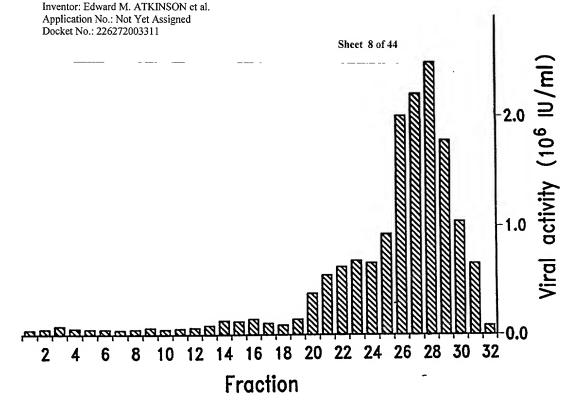


Figure 7

Title: METHODS FOR GENERATING HIGH TITER HELPER-FREE PREPARATIONS OF RELEASED RECOMBINANT AAV VECTORS Inventor: Edward M. ATKINSON et al.



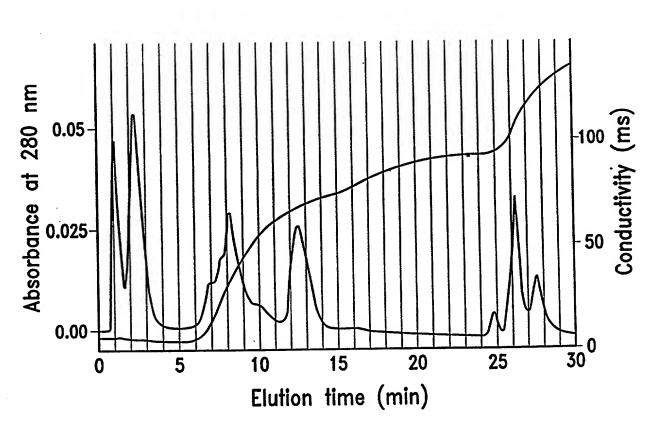


Figure 8

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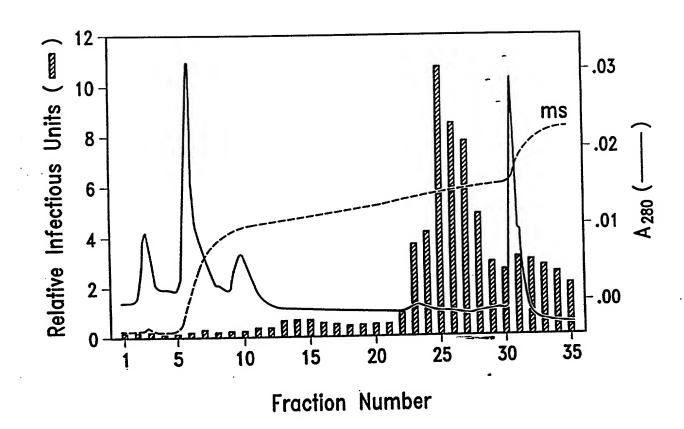
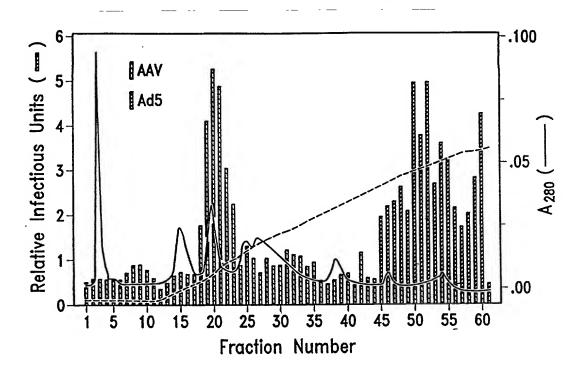


Figure 9

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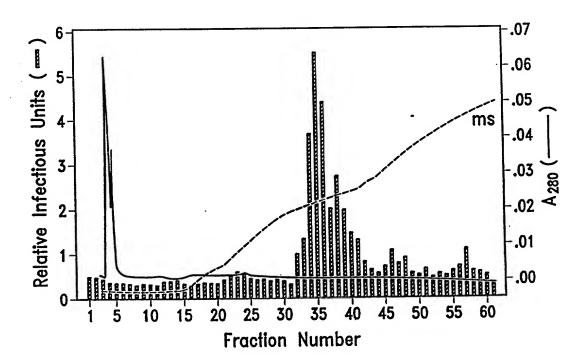
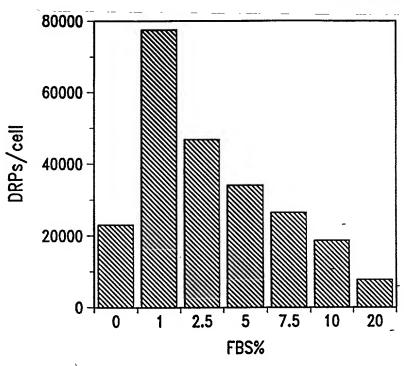


Figure 10

Title: METHODS FOR GENERATING HIGH TITER HELPER-FREE PREPARATIONS OF RELEASED RECOMBINANT AAV VECTORS

Inventor: Edward M. ATKINSON et al. Application No.: Not Yet Assigned Docket No.: 226272003311





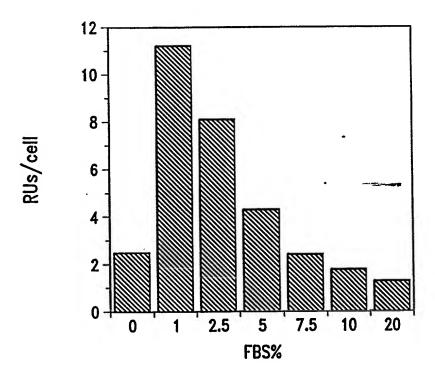


Figure 11

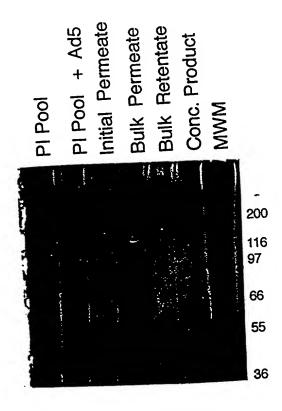


Figure 12

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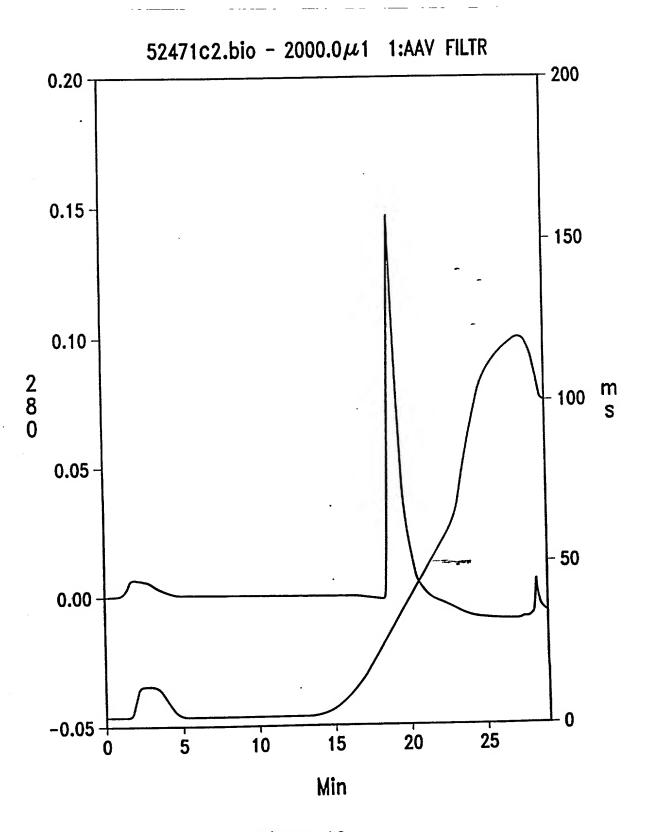
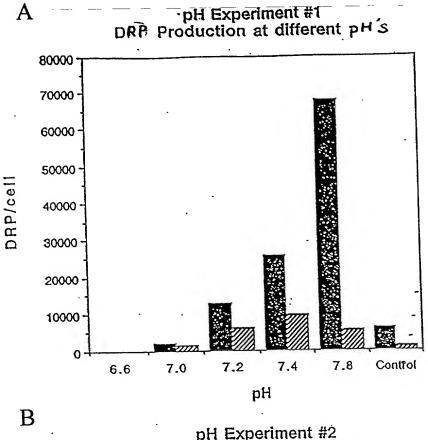


Figure 13

A

Day-2 Day-3



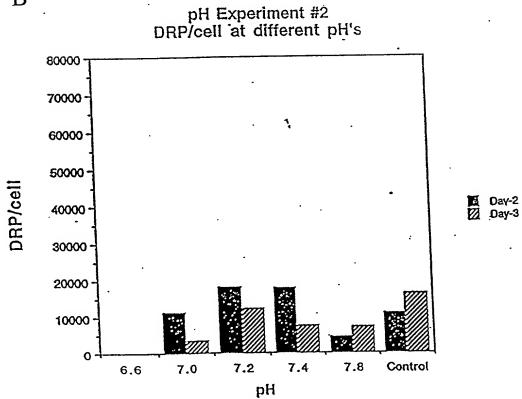
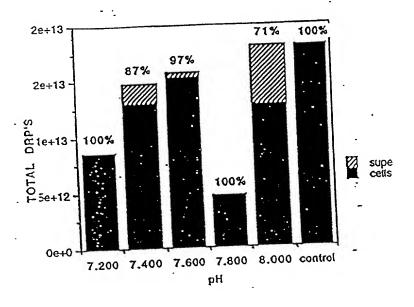


Figure 14

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A

CFTR JL-14 REACTOR pH EXPERIMENT #3 DISTRIBUTION OF VECTOR IN CELLS/SUPE TOTAL CULTURE DRP'S DAY 2



B

CFTR JL-14 REACTOR pH EXPERIMENT #3
DISTRIBUTION OF VECTOR IN CELLS/SUPE
TOTAL CULTURE DRP'S DAY 3

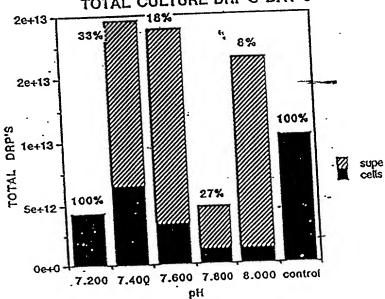
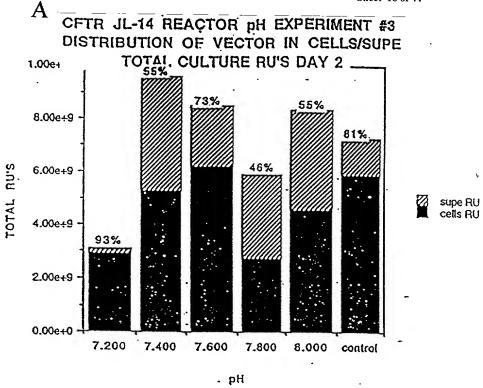


Figure 15

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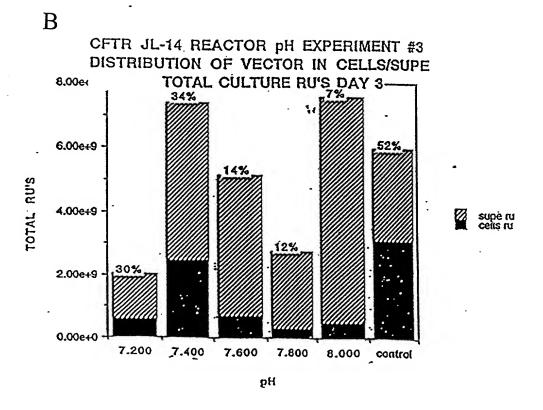


Figure 16

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CFTR JL-14 REACTOR pH EXPERIMENT #3 DAY 3 PARTICLE TO INFECTIVITY SUPERNATANT AND CELLS

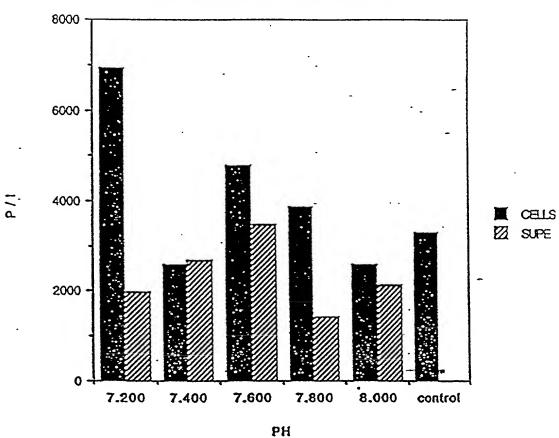
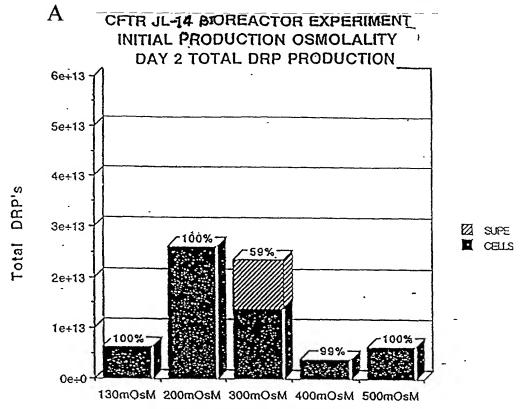


Figure 17

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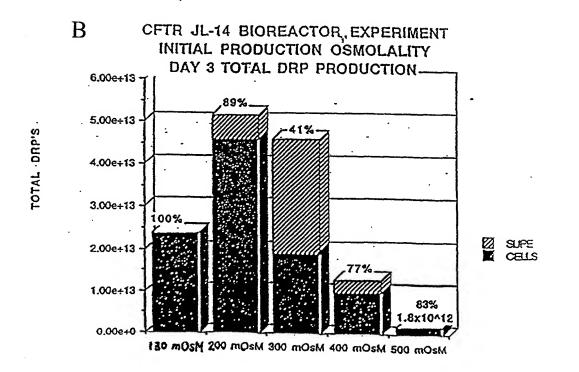
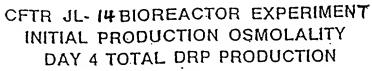


Figure 18

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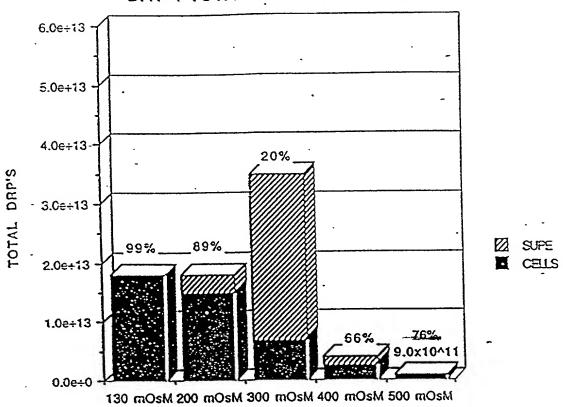
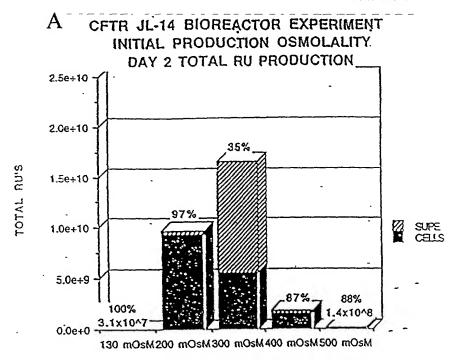


Figure 18C

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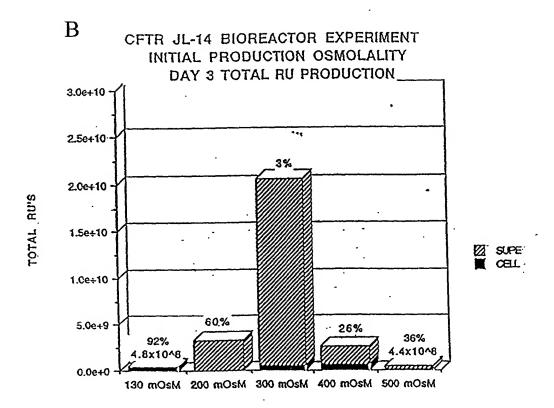


Figure 19

<u> 11111146. 1151111</u>

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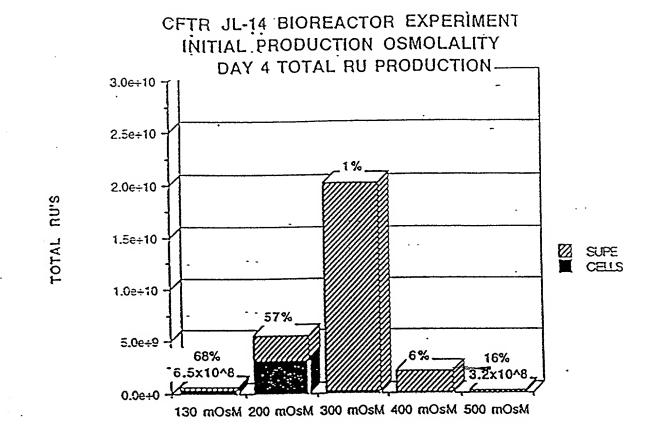


Figure 19C

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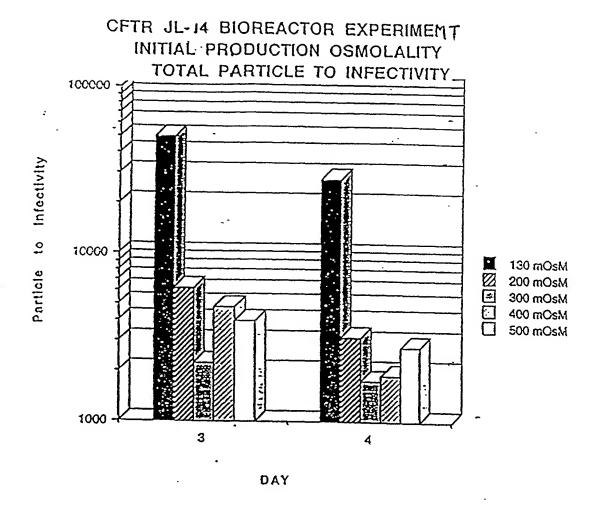
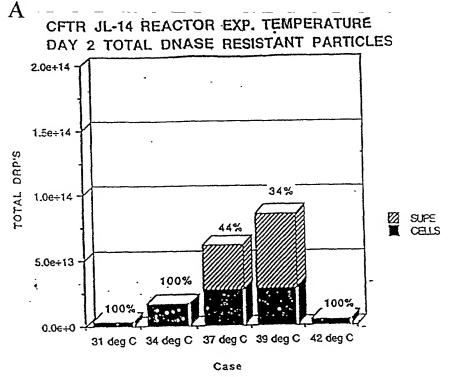


Figure 20

Title: METHODS FOR GENERATING HIGH TITER HELPER-FREE PREPARATIONS OF RELEASED RECOMBINANT AAV VECTORS

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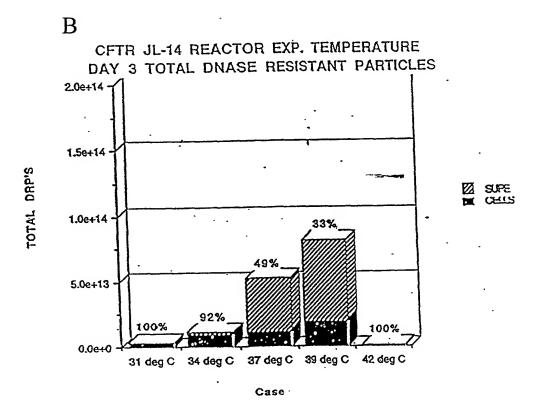


Figure 21

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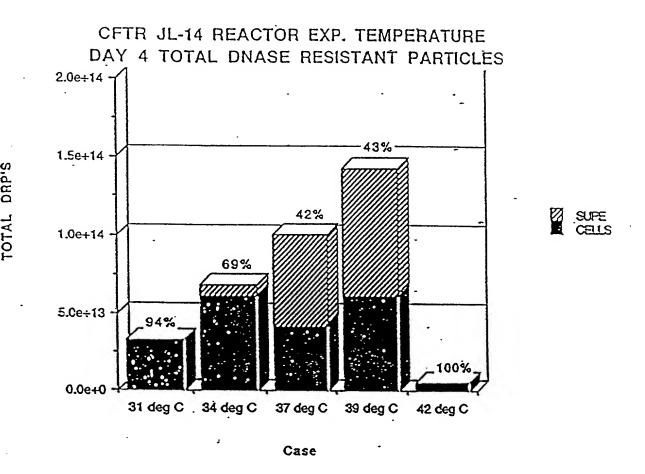


Figure 21C

Inventor: Edward M. ATKINSON et al. Application No.: Not Yet Assigned

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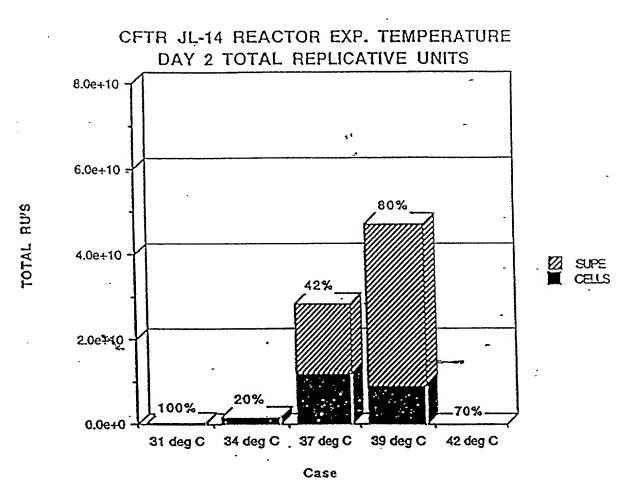
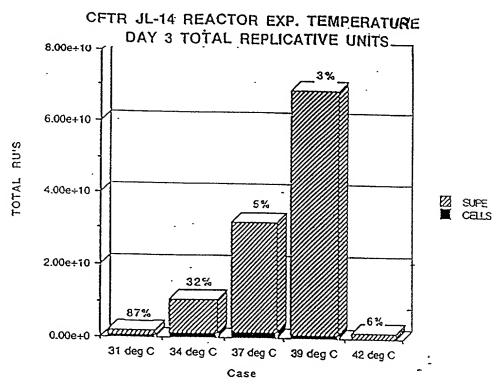


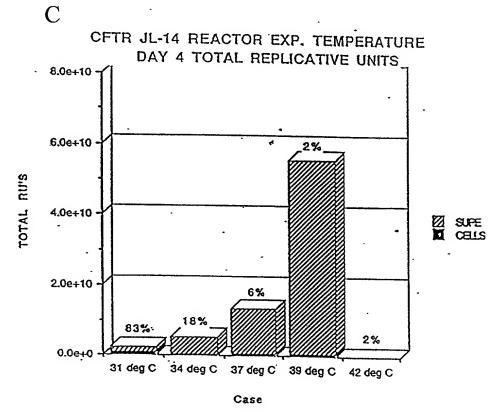
Figure 22A

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Figures 22B and 22C

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CFTR JL-14 Feed Experiment II Total DRP's - Day 3 Supe

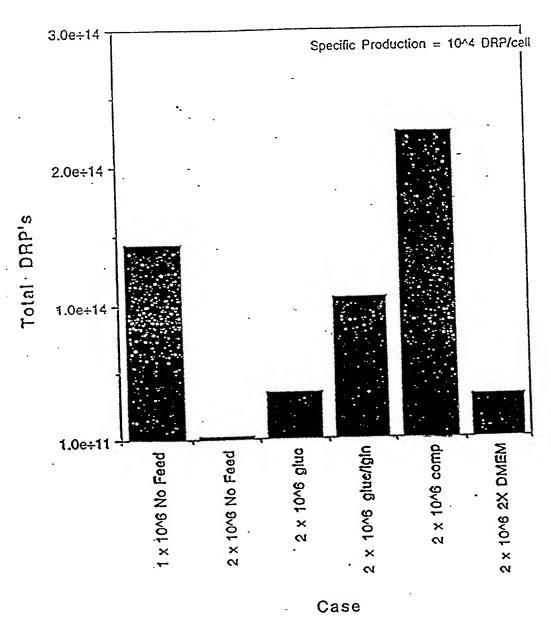


Figure 23

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CFTR JL-14 Feed Experiment II Total RU's - Day 3 Supe

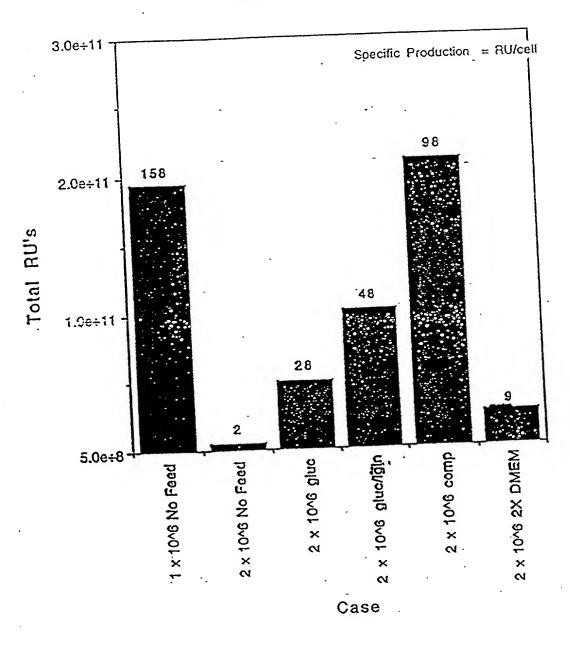


Figure 24

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CFTR JL-14 Feed Experiment II P/I ratio - Day 3 Supe

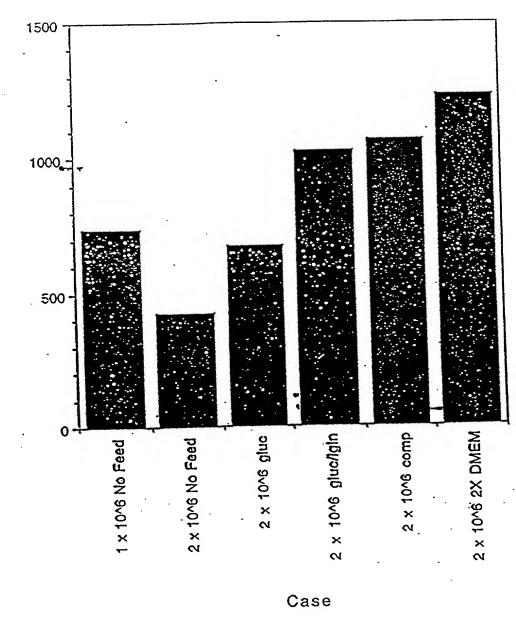


Figure 25

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Lactalbumun Hydrolysate w/Earle's Salts (ELH)					
Base Cat No.	11250 1XLiquid	11800 Powder			
Component	mg/L	mg/L			
INORGANIC SALTS:					
CaCl ₂ (anhyd.)	200.00	200.00			
KCI .	400.00	400.00			
MgSO ₄ (anhyd.)	97.67				
NaCl	00.008	6800.00			
NdHCO ₃	2200.00	-			
NaH2PO4 • H2D	140.00	140.00			
OTHER COMPONENTS:					
D-Glucose	1000.00	1000.00			
Lactalbumin Hydrolysate	6500.00	5000.00			
Phenol Red	10.00	10.00			

MEM Amino Acids Solutions ²				
Base Cat No.	11136	21135		
Component	50X Liquid	50X Liquid		
AMINO ACIDS:	mg/L	mg/L		
L-Arginine	6320.00	6320.00		
L-Cystine	1200.00	1200.00		
L-Glutamine	-	14600.00		
L-Histidine-HCI-H ₂ 0	2100.00	2100.00		
I -Isoleucine	2625.00	2625.00		
L-Luecine	2620.00	2620.00		
L-Lysins HCI	3625.00	3625.00		
L-Methionine	755.00	755.00		
	1650.00	1650.00		
L-Threonine	2380.00	2380.00		
L-Tryptophan	510.00	510.00		
L-Tyrosine	1800.00	1800.00		
L-Valine	2340.00	2340.00		

References:

1. Eagle, H. (1955) Proc. Soc. Exp. Biol. Med. 89, 362. 2. Eagle, H. (1959) Science 130, 432

MEM Non-Essential Amino Acids Solution ²		
Base Cat No. Component	11140 100X Liquid mg/L	
AMINO ACIDS: L-Algnine L-Asparagine L-Aspartic L-Glutamine Glycine L-Proline L-Serine	890.00 1500.00 1330.00 1470.00 750.00 1150.00	

MEM Vitamon Solutions ²		
Base Cat No.	11120	
	50X Liquid	
Component	mg/L	
	8500.00	
NaCl	_	
D-Ca Pantothenate	100.00	
Choline Chloride	100.00	
Folic Acid	100.00	
I-Inositol	200.00	
Nicotinamide	100.00	
Pyridoxal-HCl	100.00	
Riboflavin	10.00	
Thiamine HCI	100.00	

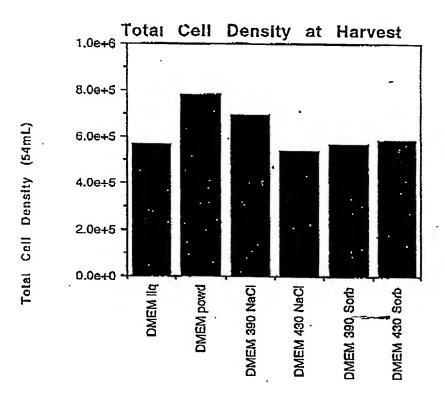


Figure 27

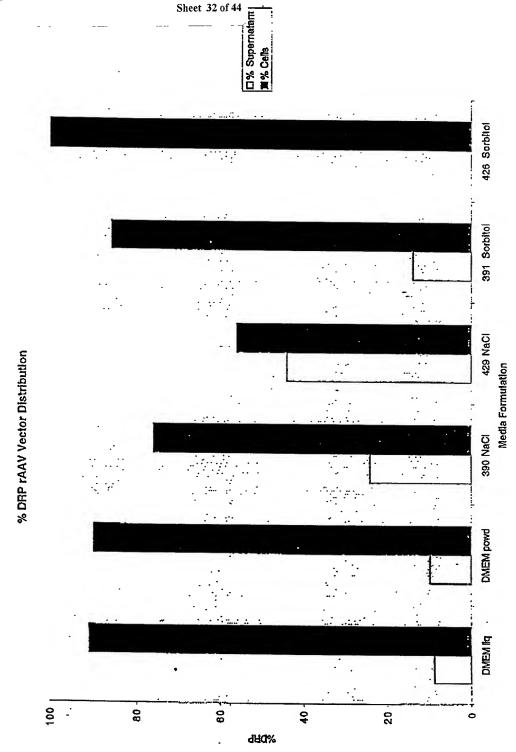


Figure 28

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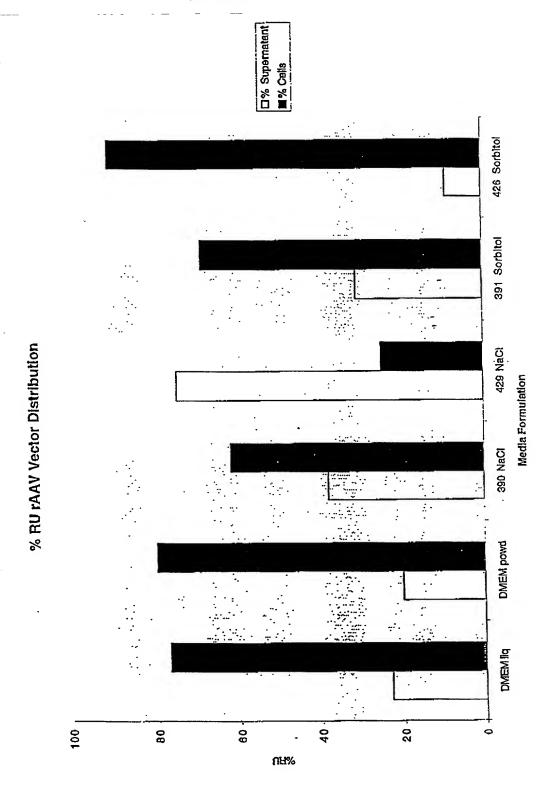


Figure 29

P/I Ratios rAAV

7000



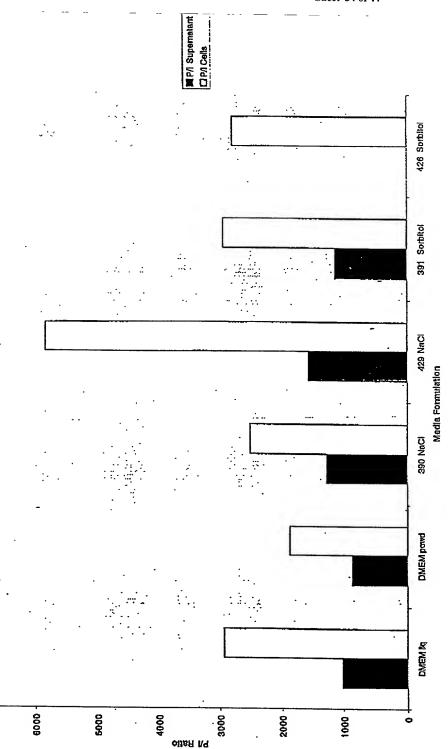
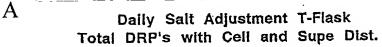
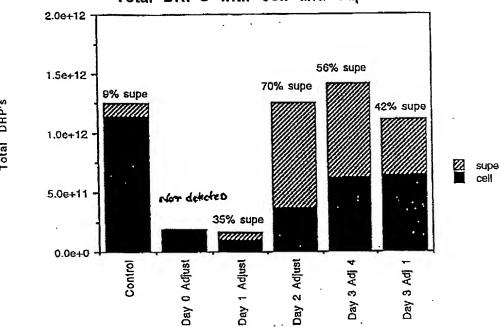


Figure 30

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B Daily Salt Adjustment T-Flask Total RU's with Cell and Supe Dist.

Total RU's

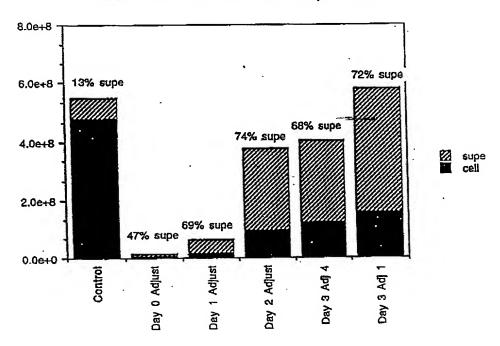
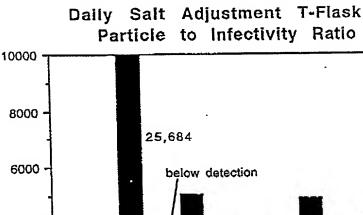


Figure 31

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P/I Ratio



Cell

Supe

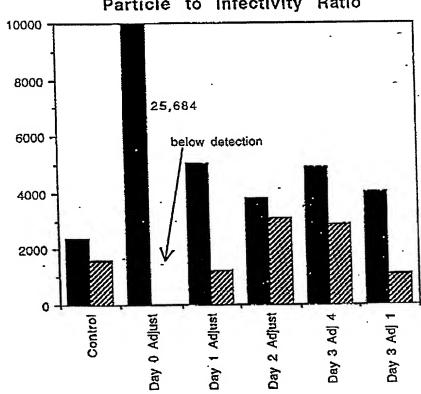
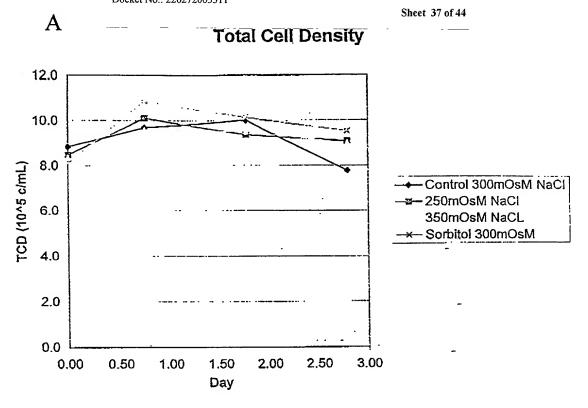


Figure 32

Title: METHODS FOR GENERATING HIGH TITER HELPER-FREE PREPARATIONS OF RELEASED RECOMBINANT AAV VECTORS Inventor: Edward M. ATKINSON et al.

Inventor: Edward M. ATKINSON et al. Application No.: Not Yet Assigned Docket No.: 226272003311



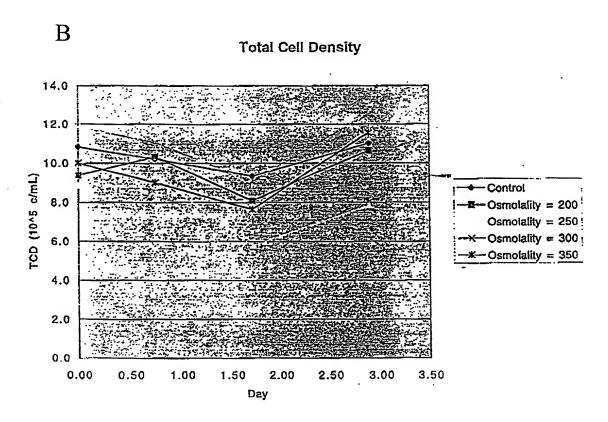
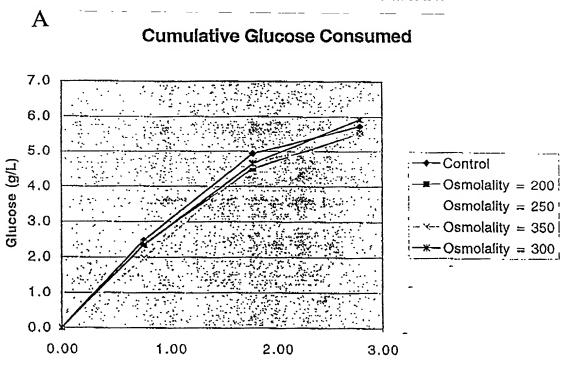


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Day

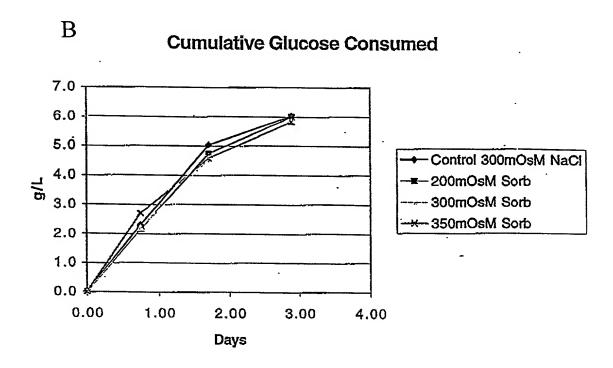
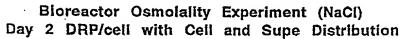


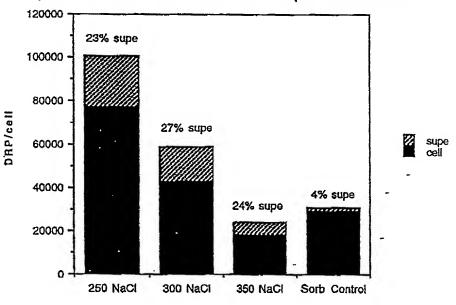
Figure 34

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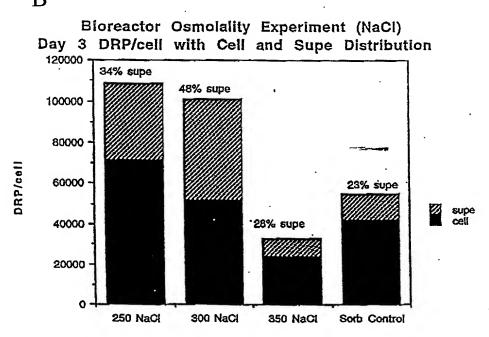
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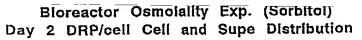


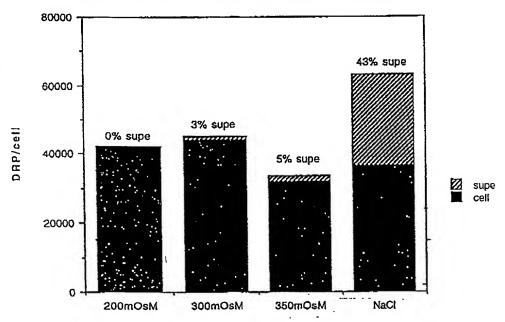
Figures 35A and 35B

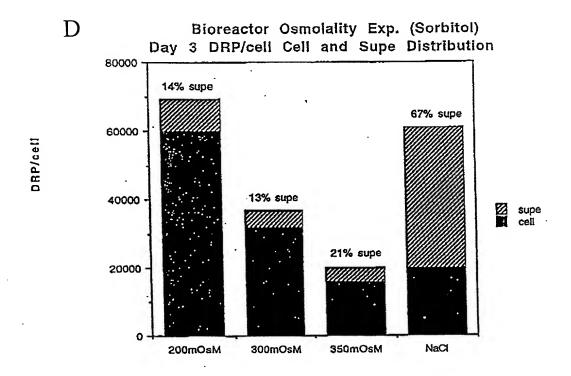
Title: METHODS FOR GENERATING HIGH TITER HELPER-FREE PREPARATIONS OF RELEASED RECOMBINANT AAV VECTORS

Inventor: Edward M. ATKINSON et al. Application No.: Not Yet Assigned Docket No.: 226272003311

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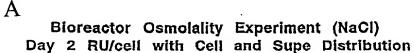


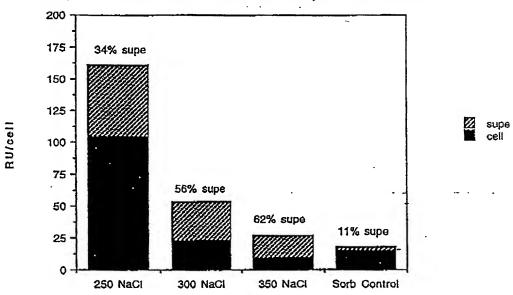




Figures 35C and 35D

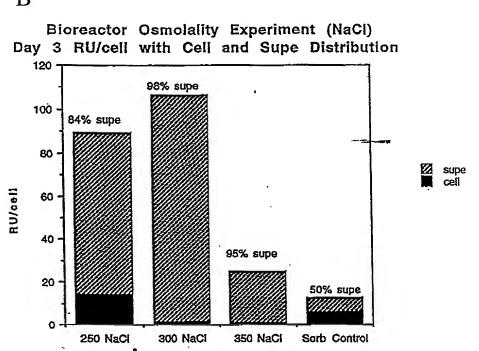
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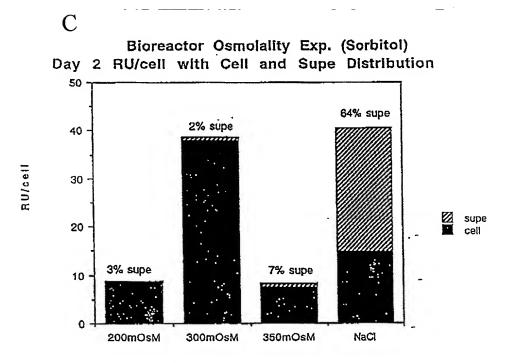
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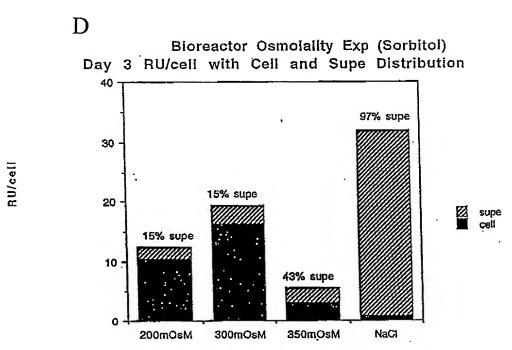
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Figures 36A and 36B

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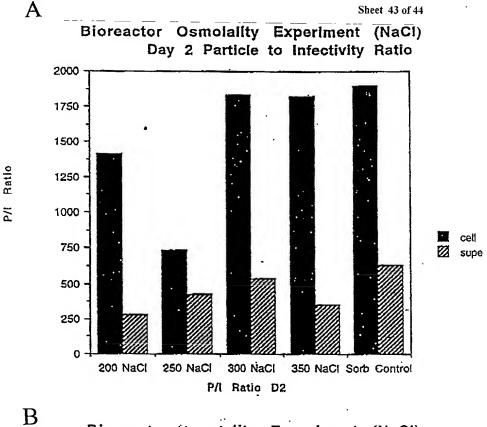


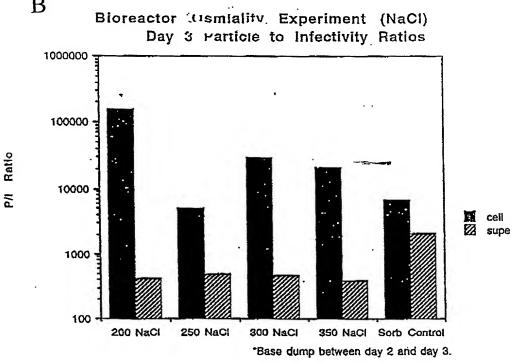


Figures 36C and 36D

Title: METHODS FOR GENERATING HIGH TITER HELPER-FREE PREPARATIONS OF RELEASED RECOMBINANT AAV VECTORS Inventor: Edward M. ATKINSON et al. Application No.: Not Yet Assigned

Docket No.: 226272003311

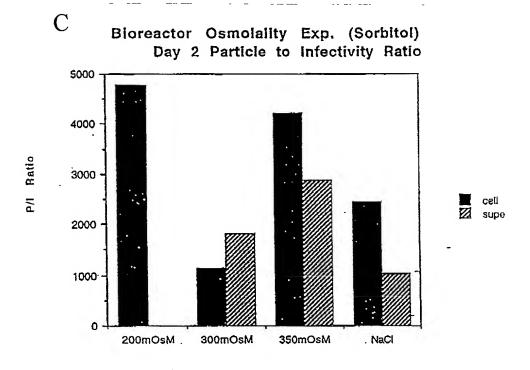


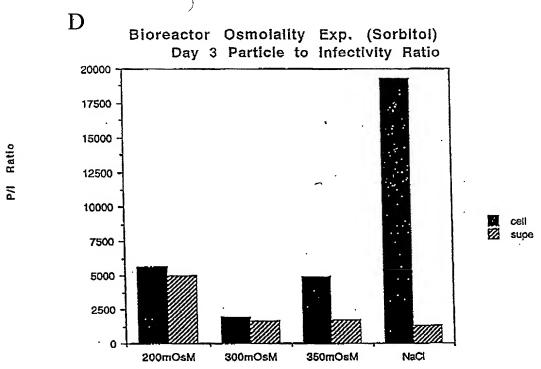


Figures 37A and 37B

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Figures 37C and 37D